OIPE

ENTERED

RAW SEQUENCE LISTING   DATE: 06/17/2002
PATENT APPLICATION: US/10/081,170 TIME: 12:48:12

Input Set : **A:\800029US1.txt**
Output Set: **N:\CRF3\06172002\J081170.raw**

```
   4 <110> APPLICANT: Kawaoka, Yoshihiro
   5         Jasenosky, Luke D.
   7 <120> TITLE OF INVENTION: Methods to Identify Mutant Cells with Altered Sialic Acid
   9 <130> FILE REFERENCE: 800.029US1
  11 <140> CURRENT APPLICATION NUMBER: US 10/081,170
C--> 12 <141> CURRENT FILING DATE: 2002-06-10
  14 <150> PRIOR APPLICATION NUMBER: US 60/271,044
  15 <151> PRIOR FILING DATE: 2001-02-23
  17 <160> NUMBER OF SEQ ID NOS: 6
  19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 24
  23 <212> TYPE: DNA
  24 <213> ORGANISM: Influenza A virus
  26 <400> SEQUENCE: 1
  27 tggctcgttt ctctcactat tgcc                                    24
  29 <210> SEQ ID NO: 2
  30 <211> LENGTH: 26
  31 <212> TYPE: DNA
  32 <213> ORGANISM: Influenza A virus
  34 <400> SEQUENCE: 2
  35 ttatataggc atgagattga tgtccg                                  26
  37 <210> SEQ ID NO: 3
  38 <211> LENGTH: 37
  39 <212> TYPE: DNA
  40 <213> ORGANISM: Influenza A virus
  42 <400> SEQUENCE: 3
  43 agcaaaagca ggggataatt ctattaacca tgaagac                      37
  45 <210> SEQ ID NO: 4
  46 <211> LENGTH: 34
  47 <212> TYPE: DNA
  48 <213> ORGANISM: Influenza A virus
  50 <400> SEQUENCE: 4
  51 agtagaaaca agggtgtttt taattaatgc actc                         34
  53 <210> SEQ ID NO: 5
  54 <211> LENGTH: 376
  55 <212> TYPE: DNA
  56 <213> ORGANISM: Artificial Sequence
  58 <220> FEATURE:
  59 <223> OTHER INFORMATION: Influenza A virus mutant
  61 <400> SEQUENCE: 5
  62 atgaatccaa atcaaaagat aataacaatt ggctctgttt ctctcactat tgccacaata   60
  63 tgcttcctta tgcaaattgc catcctggta actactgtaa cattgcattt caagcaacat  120
```

RAW SEQUENCE LISTING   DATE: 06/17/2002
PATENT APPLICATION: US/10/081,170   TIME: 12:48:12

Input Set : A:\800029US1.txt
Output Set: N:\CRF3\06172002\J081170.raw

```
64 gagtgcaact cccccccaaa caaccaagta atgctgtgtg aaccaacaat aatagaaaga      180
65 aacataacag agatagtgta ttgaaggcaa aagctgcatc aatcggtgct tttatgtgga      240
66 gttgataagg ggaaggaaac aggaaactga agtctggtgg acctcaaaca gtattgttgt      300
67 gttttgtggc acctcaggta catatggaac aggctcatgg cctgatgggg cggacatcaa      360
68 tctcatgcct atataa                                                       376
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 346
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Influenza A virus mutant
78 <400> SEQUENCE: 6
79 atgaatccaa atcaaaagat aataacaatt ggctctgttt ctctcactat tgccacaata       60
80 tgcttcctta tgcaaattgc catcctggta actactgtaa cattgcattt taaataggca      120
81 agtcatagtt gacagaggta atagatccgg ttattctggt attttctctg ttgaaggcaa      180
82 aagctgcatc aatcggtgct tttatgtgga gttgataagg ggaaggaaac aggaaactga      240
83 agtctggtgg acctcaaaca gtattgttgt gttttgtggc acctcaggta catatggaac      300
84 aggctcatgg cctgatgggg cggacatcaa tctcatgcct atataa                     346
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/081,170**

DATE: 06/17/2002
TIME: 12:48:13

Input Set : **A:\800029US1.txt**
Output Set: **N:\CRF3\06172002\J081170.raw**

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date